

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. - 23 (Cancelled)

24. (Previously Presented) A method for detecting peripheral vascular disease in a patient, the method comprising:

(a) taking quantitative pulse volume measurements at a plurality of positions on the patient's limbs through signal averaging; and

(b) from the quantitative pulse volume measurements, detecting the peripheral vascular disease by calculating an area under a pulse volume curve for each of the patient's limbs.

25. (Canceled)

26. (Original) The method of claim 24, wherein steps (a) and (b) are performed both before and after intervention to correct the peripheral vascular disease to determine whether the peripheral vascular disease has recurred.

27. (Original) The method of claim 24, wherein steps (a) and (b) are performed both before and after intervention to correct the peripheral vascular disease to determine an effectiveness of the intervention.

28. - 55. (Cancelled)

56. (Previously Presented) The method of claim 24, wherein step (b) comprises comparing the quantitative pulse volume measurements among the plurality of positions on the patent's limbs.

57. (Previously Presented) The method of claim 56, wherein the quantitative pulse measurement are compared for different limbs of the patient.

58. - 61. (Cancelled)